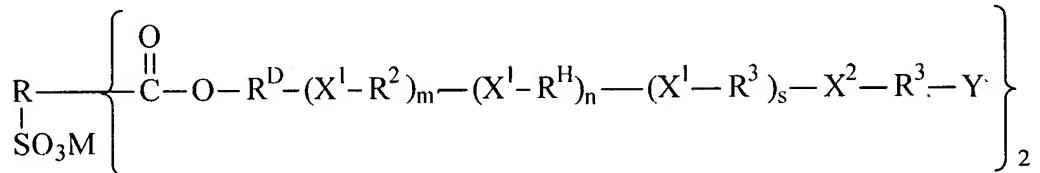


In The Claims:

Please replace the original claim set with the following replacement claim set:

1. (Currently Amended) An ink comprising an aqueous vehicle; and dispersed particles of a silyl-terminated sulfopoly(ester-urethane), wherein said ink is an ink jet ink.

2. (Previously Presented) The ink of claim 1, wherein the silyl-terminated sulfopoly(ester-urethane) is described by the formula:



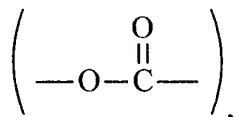
wherein

R represents a trivalent C₆ - C₁₂ aryl group or a trivalent C₁ - C₂₀ aliphatic group wherein M is H⁺, an alkali metal cation, an alkaline earth metal cation, or a primary, secondary, tertiary, or quaternary ammonium cation;

each m independently represents 0 or 1, each n independently represents 0 or 1, each s independently represents 0 or 1, with the proviso that, at least one of m or n must be equal to 1;

each R^D independently represents:

1) at least one of a divalent linear or branched organic group of 20 to 150 carbon atoms in units of 2 to 12 methylene groups and arylene groups of 6 to 10 carbon atoms separated by at least one of 1 to 50 catenary oxygen atoms and by 1 to 30 oxycarbonyl groups,



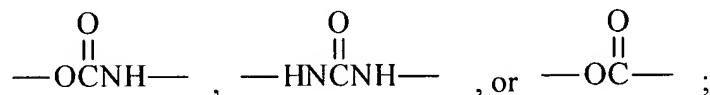
2) an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group, a cyclohexamethylene group, a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenephenoxy group, the organic group optionally being substituted by up to

four lower alkyl groups having 1 to 4 carbon atoms and a total of up to 15 carbon atoms, which organic group can be chain extended by a transesterification reaction between a diol terminated ester precursor and a lower aliphatic diester of an aliphatic diacid having from 2 to 12 carbons or an aromatic diacid having from 8 to 12 carbons or reaction between a diol terminated ester precursor and an aliphatic lactone of 4 to 6 carbons, or

3) the structure $\{-R^1(X^1-R^2-X^1-R^1)_p\}$ where p is an integer from 1 to 5, produced by the reaction of a polyol with an isocyanate having the structure OCN-R²-NCO to produce a segment having a molecular weight of from 500 to 4,000;

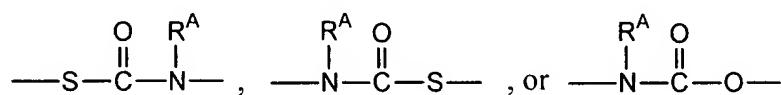
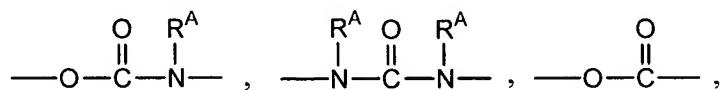
each R¹ independently represents a linear or branched alkylene group having 2 to 12 carbon atoms, or an arylene group having 6 to 10 carbon atoms;

each X¹ independently represents



each R² independently represents an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group, a cyclohexamethylene group, a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenephenylen group, the organic group optionally being substituted by up to four lower alkyl groups having 1 to 4 carbon atoms and a total of at most 15 carbon atoms;

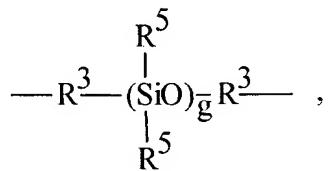
each X² independently represents



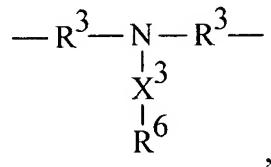
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wherein each R^A independently represents hydrogen, lower alkyl having 1 to 4 carbon atoms, or R^1-Y ;

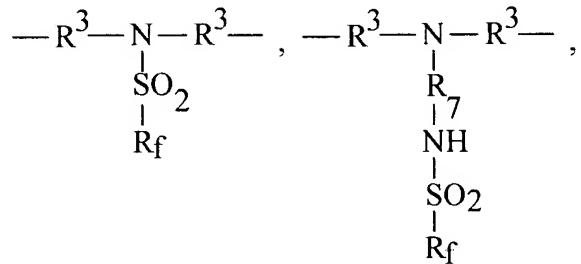
each R^H independently represents a divalent hydrophobic group selected from divalent oligomeric siloxanes having the structure



divalent organic groups having the structure



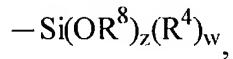
or divalent organic groups having one of the structures



or quaternary salts thereof, wherein

each R^3 independently represents a divalent linear or branched alkylene group having 2 to 12 carbon atoms, or a divalent arylene or alkarylene group having 6 to 20 carbon atoms;

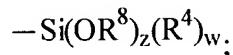
each Y independently represents H, an alkyl group having from 1 to 20 carbon atoms, an aryl group having from 6 to 10 carbon atoms, or



wherein each R^4 independently represents a monovalent lower alkyl group having from 1 to 4 carbon atoms, each R^8 is H or a monovalent lower alkyl group having from 1 to 4 carbon

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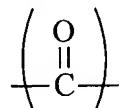
atoms, each z is independently 2 or 3, each w is independently 0 or 1, and wherein z + w = 3, with the proviso that at least one Y has the formula



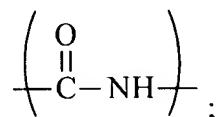
each R⁵ independently represents a monovalent group selected from the group consisting of alkyl groups of 1 to 12 carbon atoms, aryl having 6 to 10 carbon atoms, or aralkyl groups having 6 to 10 carbon atoms, with at least 70 percent of R⁴ being methyl;

each g independently represents an integer of from 10 to 300;

each X³ independently represents a covalent bond, a carbonyl group,



or a divalent amido group



each R⁶ independently represents a monovalent group selected from the group consisting of alkyl groups of about 4 to about 60 carbon atoms;

each R⁷ independently represents a divalent group selected from the group consisting of alkylene groups of 2 to about 12 carbon atoms; and

each R_f independently represents a monovalent saturated fluoroaliphatic group having 6 to 12 carbon atoms, at least four of which are fully-fluorinated carbon atoms.

3. (Previously Presented) The ink of claim 1, wherein the ink is free of organic solvents.

4. (Previously Presented) The ink of claim 1, further comprising a colorant, wherein the colorant is a pigment.

5. (Previously Presented) The ink of claim 1, further comprising a colorant, wherein the colorant is a dye.

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6. (Previously Presented) The ink of claim 1, further comprising an additional dispersed polymer.

7. (Previously Presented) The ink of claim 6, wherein the additional dispersed polymer is present in an amount of from about 0.1 to about 3 times the weight of the silyl-terminated sulfopoly(ester-urethane) polymer.

8. (Previously Presented) The ink of claim 7, wherein the additional dispersed polymer is an acrylic polymer.

9. (Previously Presented) The ink of claim 1, further comprising a humectant.

10. (Currently Amended) The ink of claim 1, wherein the ink has a solids content is of at least 20 weight percent of the total ink composition.

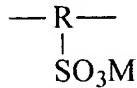
11. (Currently Amended) The ink of claim 1, wherein the ink has a solids content is of at least 30 weight percent of the total ink composition.

12. (Currently Amended) The ink of claim 1, wherein the ink has a solids content is of at least 50 weight percent of the total ink composition.

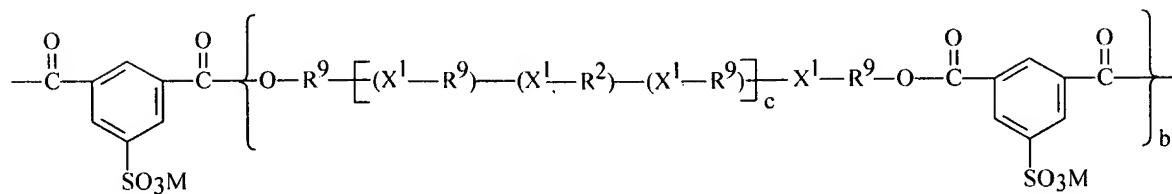
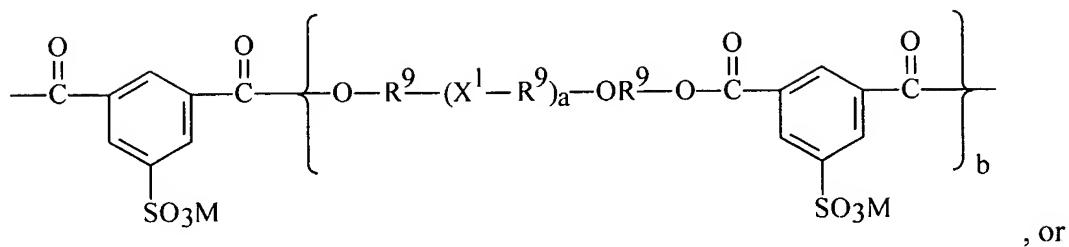
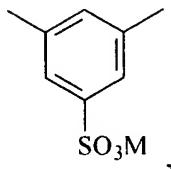
13. (Previously Presented) The ink of claim 1, wherein the ink has a viscosity of less than about 20 mPa·s at 20 °C and at a shear rate of 1000 s⁻¹.

14. (Previously Presented) The ink of claim 1, wherein the ink has a viscosity of less than about 5 mPa·s at 20 °C and at a shear rate of 1000 s⁻¹.

15. (Previously Presented) The ink of claim 2, wherein



is:



and wherein each R⁹ independently represents a linear or branched alkylene group having 2 to 12 carbon atoms, an arylene group having 6 to 10 carbon atoms, or may also comprise an oligomeric segment.

16. (Previously Presented) The ink of claim 15, wherein the ink is contained within an ink jet printer cartridge.

17. (Currently Amended) A blendable ink set comprising at least three blendable inks, wherein each ink in the ink set comprises the ink of claim 1.

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18. (Currently Amended) The ink set of claim 17, wherein the blendable inks ~~consist of~~ comprise yellow, magenta, and cyan inks.

19. (Previously Presented) The ink set of claim 17, further comprising a fourth blendable ink.

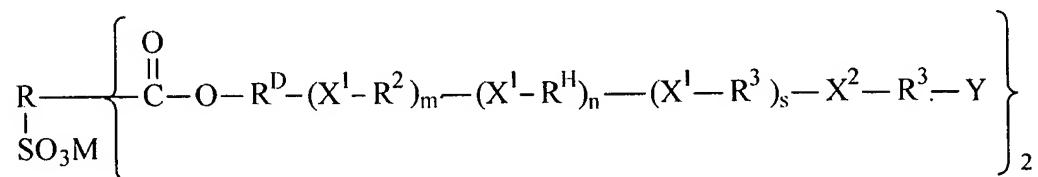
20. (Previously Presented) The ink set of claim 19, wherein the fourth blendable ink is a black ink.

21. (Previously Presented) The ink set of claim 19, further comprising a fifth blendable ink.

22. (Previously Presented) The ink set of claim 21, wherein the fifth blendable ink is a white ink.

23. (Previously Presented) The ink of claim 1, wherein the ink is contained within an ink jet printer cartridge.

24. (Currently Amended) A method of imaging a substrate, said method comprising ink jet printing an aqueous composition onto a substrate, wherein the aqueous composition comprises an aqueous vehicle and a silyl-terminated sulfopoly(ester-urethane) having the formula:



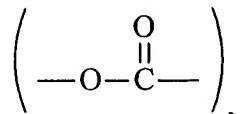
wherein

R represents a trivalent C₆ - C₁₂ aryl group or a trivalent C₁ - C₂₀ aliphatic group wherein M is H⁺, an alkali metal cation, an alkaline earth metal cation, or a primary, secondary, tertiary, or quaternary ammonium cation;

each m independently represents 0 or 1, each n independently represents 0 or 1, each s independently represents 0 or 1, with the proviso that, at least one of m or n must be equal to 1;

each R^D independently represents:

1) at least one of a divalent linear or branched organic group of 20 to 150 carbon atoms in units of 2 to 12 methylene groups and arylene groups of 6 to 10 carbon atoms separated by at least one of 1 to 50 catenary oxygen atoms and by 1 to 30 oxycarbonyl groups,

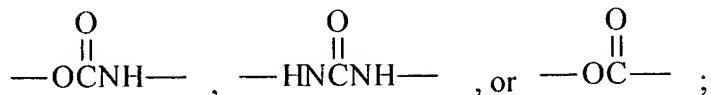


2) an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group, a cyclohexamethylene group, a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenephenylen group, the organic group optionally being substituted by up to four lower alkyl groups having 1 to 4 carbon atoms and a total of up to 15 carbon atoms, which organic group can be chain extended by a transesterification reaction between a diol terminated ester precursor and a lower aliphatic diester of an aliphatic diacid having from 2 to 12 carbons or an aromatic diacid having from 8 to 12 carbons or reaction between a diol terminated ester precursor and an aliphatic lactone of 4 to 6 carbons, or

3) the structure {-R¹(X¹-R²-X¹-R¹)_p-} where p is an integer from 1 to 5, produced by the reaction of a polyol with an isocyanate having the structure OCN-R²-NCO to produce a segment having a molecular weight of from 500 to 4,000;

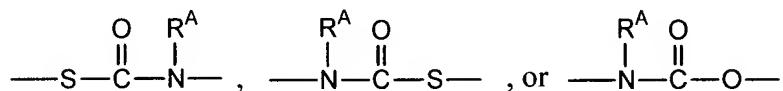
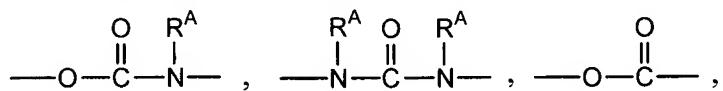
each R¹ independently represents a linear or branched alkylene group having 2 to 12 carbon atoms, or an arylene group having 6 to 10 carbon atoms;

each X¹ independently represents



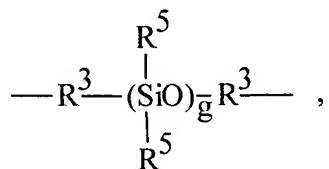
each R^2 independently represents an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group, a cyclohexamethylene group, a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenephenylen group, the organic group optionally being substituted by up to four lower alkyl groups having 1 to 4 carbon atoms and a total of at most 15 carbon atoms;

each X^2 independently represents

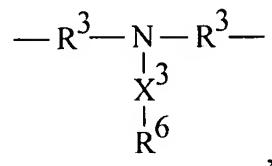


wherein each R^A independently represents hydrogen, lower alkyl having 1 to 4 carbon atoms, or R^1-Y ;

each R^H independently represents a divalent hydrophobic group selected from divalent oligomeric siloxanes having the structure

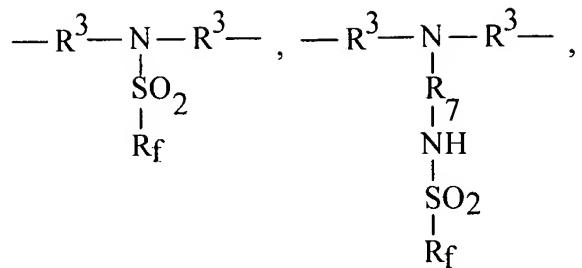


divalent organic groups having the structure



or divalent organic groups having one of the structures

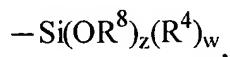
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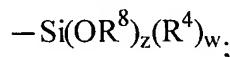
or quaternary salts thereof, wherein

each R^3 independently represents a divalent linear or branched alkylene group having 2 to 12 carbon atoms, or a divalent arylene or alkarylene group having 6 to 20 carbon atoms;

each Y independently represents H, an alkyl group having from 1 to 20 carbon atoms, an aryl group having from 6 to 10 carbon atoms, or



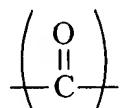
wherein each R^4 independently represents a monovalent lower alkyl group having from 1 to 4 carbon atoms, each R^8 is H or a monovalent lower alkyl group having from 1 to 4 carbon atoms, each z is independently 2 or 3, each w is independently 0 or 1, and wherein $z + w = 3$, with the proviso that at least one Y has the formula



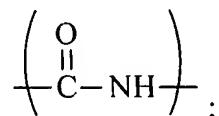
each R^5 independently represents a monovalent group selected from the group consisting of alkyl groups of 1 to 12 carbon atoms, aryl having 6 to 10 carbon atoms, or aralkyl groups having 6 to 10 carbon atoms, with at least 70 percent of R^4 being methyl;

each g independently represents an integer of from 10 to 300;

each X^3 independently represents a covalent bond, a carbonyl group,



or a divalent amido group



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each R⁶ independently represents a monovalent group selected from the group consisting of alkyl groups of about 4 to about 60 carbon atoms;

each R⁷ independently represents a divalent group selected from the group consisting of alkylene groups of 2 to about 12 carbon atoms; and

each R_f independently represents a monovalent saturated fluoroaliphatic group having 6 to 12 carbon atoms, at least four of which are fully-fluorinated carbon atoms.

25. (Previously Presented) The method of claim 24, wherein the composition further comprises a colorant.

26. (Previously Presented) The method of claim 24, wherein the composition further comprises an additional dispersed polymer.

27. (Previously Presented) The method of claim 24, wherein the composition further comprises a humectant.

28. (Currently Amended) The method of claim 24, wherein the ink jet printing step comprises piezo ink jet printing.

29. (Previously Presented) The method of claim 24, wherein the substrate is a fabric.

30. (Previously Presented) The method of claim 29, wherein the fabric is a textile.

31. (Previously Presented) The method of claim 24, wherein the substrate is glass.

32. (Previously Presented) The method of claim 24, wherein the substrate is a polymer film.

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33. (Previously Presented) The method of claim 32, wherein the polymer film is a laminate.

34. (Previously Presented) The method of claim 24, wherein the substrate is paper.

35. (Previously Presented) An article comprising a substrate imaged according to the method of claim 24.

36. (Currently Amended) An ink comprising an aqueous vehicle, a colorant, and at least 20 weight percent of dispersed shear deformable polymer particles, wherein the polymer is self-crosslinking, and wherein the ink is an ink jet ink.

37. (Previously Presented) The ink of claim 36, wherein the polymer particles comprise silyl-terminated polymers.

38. (Currently Amended) The ink of claim 36, wherein the polymer particles comprise greater than 25 weight percent of the ~~composition ink~~.

39. (Currently Amended) The ink of claim 36, wherein the polymer particles comprise greater than 30 weight percent of the ~~composition ink~~.

40. (Previously Presented) The ink of claim 36, further comprising a dispersed polymer that is not shear deformable.

41. (Currently Amended) The ink of claim 36, ~~wherein the composition~~ further ~~comprises~~ comprising a humectant.

42. (Currently Amended) A method of imaging a substrate, said method comprising ink jet printing an aqueous composition on a substrate, wherein the aqueous composition comprising

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an aqueous vehicle; and at least 20 weight percent of dispersed shear deformable particles,
wherein the polymer is comprising a self-crosslinking polymer.

43. (Cancelled)

44. (Currently Amended) The method of claim 42, wherein the polymer particles comprise silyl-terminated polymers.

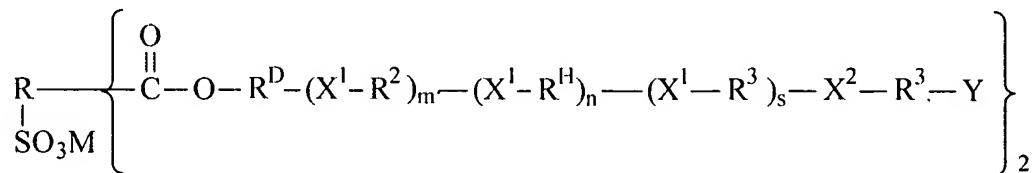
45. (Currently Amended) The method of claim 42, wherein the aqueous composition further comprises a colorant.

46. (Currently Amended) The method of claim 45, wherein the colorant comprises a pigment.

47. (Previously Presented) The method of claim 42, wherein the aqueous vehicle comprising from 75 to 100 percent by weight water based on a total weight of the aqueous vehicle.

48. (Currently Amended) The method of claim 47, wherein the aqueous composition further comprises a pigment.

49. (Previously Presented) The ink of claim 37, wherein the silyl-terminated polymers are represented by a formula:



wherein

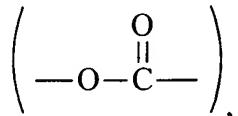
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R represents a trivalent C₆ - C₁₂ aryl group or a trivalent C₁ - C₂₀ aliphatic group wherein M is H⁺, an alkali metal cation, an alkaline earth metal cation, or a primary, secondary, tertiary, or quaternary ammonium cation;

each m independently represents 0 or 1, each n independently represents 0 or 1, each s independently represents 0 or 1, with the proviso that, at least one of m or n must be equal to 1;

each R^D independently represents:

1) at least one of a divalent linear or branched organic group of 20 to 150 carbon atoms in units of 2 to 12 methylene groups and arylene groups of 6 to 10 carbon atoms separated by at least one of 1 to 50 catenary oxygen atoms and by 1 to 30 oxycarbonyl groups,

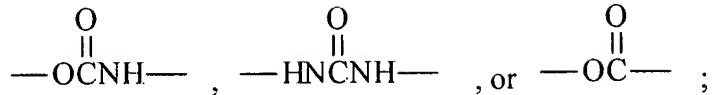


2) an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group, a cyclohexamethylene group, a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenephenylen group, the organic group optionally being substituted by up to four lower alkyl groups having 1 to 4 carbon atoms and a total of up to 15 carbon atoms, which organic group can be chain extended by a transesterification reaction between a diol terminated ester precursor and a lower aliphatic diester of an aliphatic diacid having from 2 to 12 carbons or an aromatic diacid having from 8 to 12 carbons or reaction between a diol terminated ester precursor and an aliphatic lactone of 4 to 6 carbons, or

3) the structure {-R¹(X¹-R²-X¹-R¹)_p-} where p is an integer from 1 to 5, produced by the reaction of a polyol with an isocyanate having the structure OCN-R²-NCO to produce a segment having a molecular weight of from 500 to 4,000;

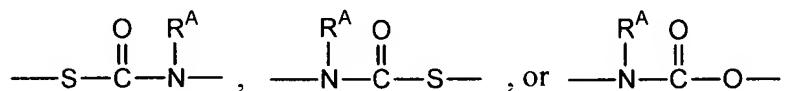
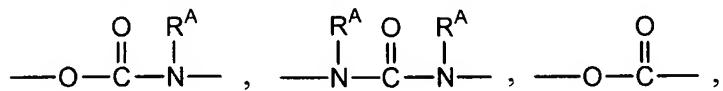
each R¹ independently represents a linear or branched alkylene group having 2 to 12 carbon atoms, or an arylene group having 6 to 10 carbon atoms;

each X¹ independently represents



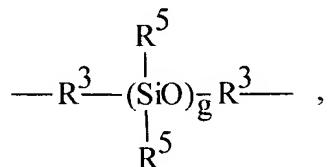
each R² independently represents an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group, a cyclohexamethylene group, a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenephenylen group, the organic group optionally being substituted by up to four lower alkyl groups having 1 to 4 carbon atoms and a total of at most 15 carbon atoms;

each X² independently represents

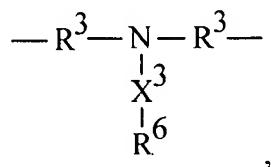


wherein each R^A independently represents hydrogen, lower alkyl having 1 to 4 carbon atoms, or R¹-Y;

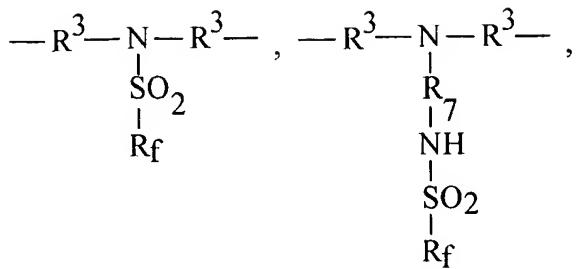
each R^H independently represents a divalent hydrophobic group selected from divalent oligomeric siloxanes having the structure



divalent organic groups having the structure



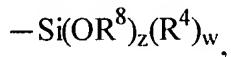
or divalent organic groups having one of the structures



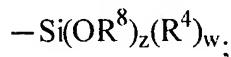
or quaternary salts thereof, wherein

each R³ independently represents a divalent linear or branched alkylene group having 2 to 12 carbon atoms, or a divalent arylene or alkarylene group having 6 to 20 carbon atoms;

each Y independently represents H, an alkyl group having from 1 to 20 carbon atoms, an aryl group having from 6 to 10 carbon atoms, or



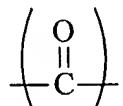
wherein each R⁴ independently represents a monovalent lower alkyl group having from 1 to 4 carbon atoms, each R⁸ is H or a monovalent lower alkyl group having from 1 to 4 carbon atoms, each z is independently 2 or 3, each w is independently 0 or 1, and wherein z + w = 3, with the proviso that at least one Y has the formula



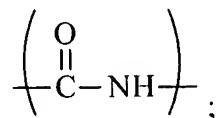
each R⁵ independently represents a monovalent group selected from the group consisting of alkyl groups of 1 to 12 carbon atoms, aryl having 6 to 10 carbon atoms, or aralkyl groups having 6 to 10 carbon atoms, with at least 70 percent of R⁴ being methyl;

each g independently represents an integer of from 10 to 300;

each X³ independently represents a covalent bond, a carbonyl group,



or a divalent amido group



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each R⁶ independently represents a monovalent group selected from the group consisting of alkyl groups of about 4 to about 60 carbon atoms;

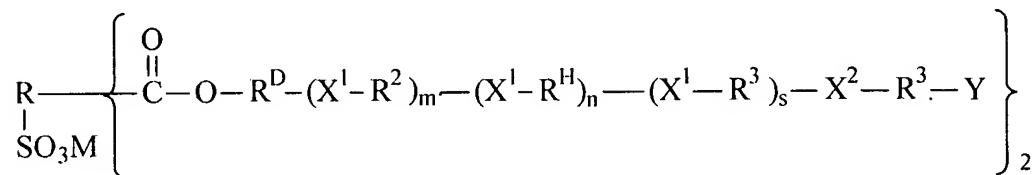
each R⁷ independently represents a divalent group selected from the group consisting of alkylene groups of 2 to about 12 carbon atoms; and

each R_f independently represents a monovalent saturated fluoroaliphatic group having 6 to 12 carbon atoms, at least four of which are fully-fluorinated carbon atoms.

50. (Previously Presented) The ink of claim 36, wherein the ink has a viscosity of less than about 20 mPa·s at 20 °C and at a shear rate of 1000 s⁻¹.

51. (Previously Presented) The ink of claim 36, further comprising a humectant.

52. (Previously Presented) The method of claim 44, wherein the silyl-terminated polymers are represented by a formula:



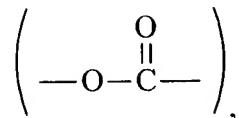
wherein

R represents a trivalent C₆ - C₁₂ aryl group or a trivalent C₁ - C₂₀ aliphatic group wherein M is H⁺, an alkali metal cation, an alkaline earth metal cation, or a primary, secondary, tertiary, or quaternary ammonium cation;

each m independently represents 0 or 1, each n independently represents 0 or 1, each s independently represents 0 or 1, with the proviso that, at least one of m or n must be equal to 1;

each R^D independently represents:

1) at least one of a divalent linear or branched organic group of 20 to 150 carbon atoms in units of 2 to 12 methylene groups and arylene groups of 6 to 10 carbon atoms separated by at least one of 1 to 50 catenary oxygen atoms and by 1 to 30 oxycarbonyl groups,

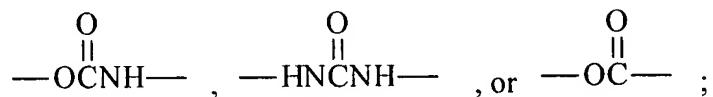


2) an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group, a cyclohexamethylene group, a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenephenylen group, the organic group optionally being substituted by up to four lower alkyl groups having 1 to 4 carbon atoms and a total of up to 15 carbon atoms, which organic group can be chain extended by a transesterification reaction between a diol terminated ester precursor and a lower aliphatic diester of an aliphatic diacid having from 2 to 12 carbons or an aromatic diacid having from 8 to 12 carbons or reaction between a diol terminated ester precursor and an aliphatic lactone of 4 to 6 carbons, or

3) the structure $\{-R^1(X^1-R^2-X^1-R^1)_p-\}$ where p is an integer from 1 to 5, produced by the reaction of a polyol with an isocyanate having the structure OCN-R²-NCO to produce a segment having a molecular weight of from 500 to 4,000;

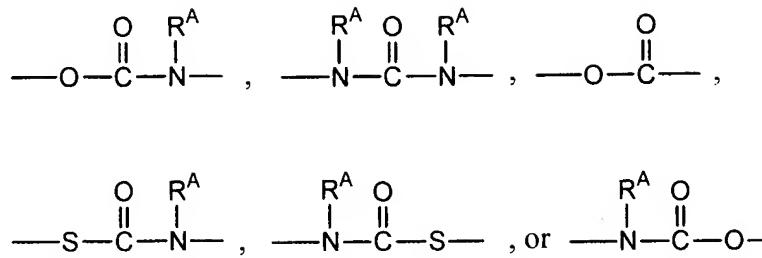
each R¹ independently represents a linear or branched alkylene group having 2 to 12 carbon atoms, or an arylene group having 6 to 10 carbon atoms;

each X¹ independently represents



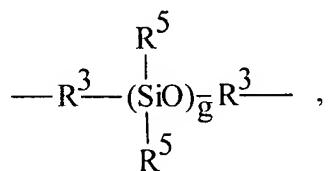
each R² independently represents an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group, a cyclohexamethylene group, a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenephenylen group, the organic group optionally being substituted by up to four lower alkyl groups having 1 to 4 carbon atoms and a total of at most 15 carbon atoms;

each X² independently represents

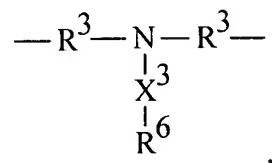


wherein each R^{A} independently represents hydrogen, lower alkyl having 1 to 4 carbon atoms, or $\text{R}^1\text{-Y}$;

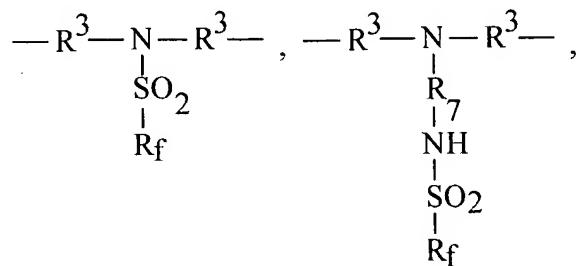
each R^{H} independently represents a divalent hydrophobic group selected from divalent oligomeric siloxanes having the structure



divalent organic groups having the structure



or divalent organic groups having one of the structures

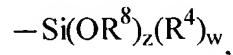


or quaternary salts thereof, wherein

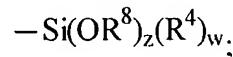
each R^3 independently represents a divalent linear or branched alkylene group having 2 to 12 carbon atoms, or a divalent arylene or alkarylene group having 6 to 20 carbon atoms;

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each Y independently represents H, an alkyl group having from 1 to 20 carbon atoms, an aryl group having from 6 to 10 carbon atoms, or



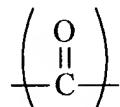
wherein each R⁴ independently represents a monovalent lower alkyl group having from 1 to 4 carbon atoms, each R⁸ is H or a monovalent lower alkyl group having from 1 to 4 carbon atoms, each z is independently 2 or 3, each w is independently 0 or 1, and wherein z + w = 3, with the proviso that at least one Y has the formula



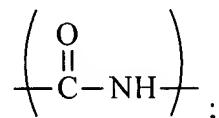
each R⁵ independently represents a monovalent group selected from the group consisting of alkyl groups of 1 to 12 carbon atoms, aryl having 6 to 10 carbon atoms, or aralkyl groups having 6 to 10 carbon atoms, with at least 70 percent of R⁴ being methyl;

each g independently represents an integer of from 10 to 300;

each X³ independently represents a covalent bond, a carbonyl group,



or a divalent amido group



each R⁶ independently represents a monovalent group selected from the group consisting of alkyl groups of about 4 to about 60 carbon atoms;

each R⁷ independently represents a divalent group selected from the group consisting of alkylene groups of 2 to about 12 carbon atoms; and

each R_f independently represents a monovalent saturated fluoroaliphatic group having 6 to 12 carbon atoms, at least four of which are fully-fluorinated carbon atoms.